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(FILE 'HOME' ENTERED AT 15:06:42 ON 15 JUL 2003)

FILE 'CA, MEDLINE, BIOSIS' ENTERED AT 15:07:01 ON 15 JUL 2003

L1	3744 S HYPERICUM?
L2	1377416 S HEART?
L3	43 S L1 AND L2
L4	35 DUP REM L3 (8 DUPLICATES REMOVED)
L5	21 S L1 (P) L2
L6	16 DUP REM L5 (5 DUPLICATES REMOVED)

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
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NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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=> file ca, medline, biosis

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FILE 'MEDLINE' ENTERED AT 15:07:01 ON 15 JUL 2003

FILE 'BIOSIS' ENTERED AT 15:07:01 ON 15 JUL 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

=> s hypericum?

L1 3744 HYPERICUM?

=> s heart?

L2 1377416 HEART?

=> s l1 and l2

L3 43 L1 AND L2

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 35 DUP REM L3 (8 DUPLICATES REMOVED)

=> d 1-35

L4 ANSWER 1 OF 35 MEDLINE

AN 2003280613 IN-PROCESS

DN 22692121 PubMed ID: 12808360

TI [St. John's Wort (**Hypericum** perforatum): A Plurivalent Raw  
Material for Modern and Traditional Therapies].

Johanniskraut (**Hypericum** perforatum): Ein plurivalenter Rohstoff  
fur traditionelle und moderne Therapien.

AU Saller R; Melzer J; Reichling J

CS Abteilung Naturheilkunde, Departement fur Innere Medizin,  
Universitatsspital Zurich, Schweiz.

SO FORSCHENDE KOMPLEMENTARMEDIZIN UND KLASSISCHE NATURHEILKUNDE, (2003 Apr)  
10 Suppl 1 33-40.

Journal code: 100958201. ISSN: 1424-7364.

CY Switzerland

DT Journal; Article; (JOURNAL ARTICLE)

LA German

FS IN-PROCESS; NONINDEXED; Priority Journals

ED Entered STN: 20030617

Last Updated on STN: 20030617

L4 ANSWER 2 OF 35 CA COPYRIGHT 2003 ACS

AN 138:175806 CA

TI Antidepressant agent Khitozor

IN Tkach, T. A.; Pozhidaev, Yu. I.

PA Russia

SO Russ., No pp. given

CODEN: RUXXE7

DT Patent

LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RU 2187327	C1	20020820	RU 2001-127728	20011015
PRAI	RU 2001-127728		20011015		

L4 ANSWER 3 OF 35 CA COPYRIGHT 2003 ACS

AN 137:154384 CA

TI Symbiotic regenerative compositions containing microorganisms

IN Schuer, Joerg-Peter

PA Germany

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1228769	A1	20020807	EP 2001-102384	20010202
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	WO 2002067986	A2	20020906	WO 2002-EP1056	20020201
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI EP 2001-102384 A 20010202

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 35 MEDLINE

AN 2002728559 MEDLINE

DN 22379016 PubMed ID: 12490687

TI Herbal remedies.

CM Comment in: N Engl J Med. 2002 Dec 19;347(25):1997-8

Comment in: N Engl J Med. 2003 Apr 10;348(15):1498-501; author reply 1498-501

AU De Smet Peter A G M

CS Scientific Institute Dutch Pharmacists, The Hague, The Netherlands..  
pdesmet@winap.nl

SO NEW ENGLAND JOURNAL OF MEDICINE, (2002 Dec 19) 347 (25) 2046-56. Ref: 127  
Journal code: 0255562. ISSN: 1533-4406.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, TUTORIAL)

LA English

FS Abridged Index Medicus Journals; Priority Journals

EM 200212

ED Entered STN: 20021220

Last Updated on STN: 20021231

Entered Medline: 20021230

L4 ANSWER 5 OF 35 MEDLINE

AN 2002156795 MEDLINE

DN 21885767 PubMed ID: 11888457

TI St John's Wort supplements endanger the success of organ transplantation.

AU Ernst E  
CS Department of Complementary Medicine, School of Sport and Health Sciences,  
University of Exeter, 25 Victoria Park Rd, Exeter EX2 4NT, England..  
E.Ernst@ex.ac.uk  
SO ARCHIVES OF SURGERY, (2002 Mar) 137 (3) 316-9. Ref: 33  
Journal code: 9716528. ISSN: 0004-0010.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200203  
ED Entered STN: 20020313  
Last Updated on STN: 20020401  
Entered Medline: 20020326

L4 ANSWER 6 OF 35 MEDLINE DUPLICATE 1  
AN 2002607585 MEDLINE  
DN 22222221 PubMed ID: 12236848  
TI The effects of St John's wort extract on **heart** rate variability,  
cognitive function and quantitative EEG: a comparison with amitriptyline  
and placebo in healthy men.  
AU Siepmann M; Krause S; Joraschky P; Muck-Weymann M; Kirch W  
CS Institute of Clinical Pharmacology, Medical Faculty, Technical University,  
Dresden, Germany.. Martin.Siepmann@mailbox.tu-dresden.de  
SO BRITISH JOURNAL OF CLINICAL PHARMACOLOGY, (2002 Sep) 54 (3) 277-82.  
Journal code: 7503323. ISSN: 0306-5251.  
CY England: United Kingdom  
DT (CLINICAL TRIAL)  
Journal; Article; (JOURNAL ARTICLE)  
(RANDOMIZED CONTROLLED TRIAL)  
LA English  
FS Priority Journals  
EM 200301  
ED Entered STN: 20021008  
Last Updated on STN: 20030128  
Entered Medline: 20030127

L4 ANSWER 7 OF 35 MEDLINE DUPLICATE 2  
AN 2001426004 MEDLINE  
DN 21364986 PubMed ID: 11474706  
TI Low cyclosporin-A level due to Saint-John's-wort in **heart**  
transplant patients.  
AU Ahmed S M; Banner N R; Dubrey S W  
SO JOURNAL OF HEART AND LUNG TRANSPLANTATION, (2001 Jul) 20 (7) 795.  
Journal code: 9102703. ISSN: 1053-2498.  
CY United States  
DT Letter  
LA English  
FS Priority Journals  
EM 200109  
ED Entered STN: 20011001  
Last Updated on STN: 20011001  
Entered Medline: 20010927

L4 ANSWER 8 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 2001:122964 BIOSIS  
DN PREV200100122964  
TI Comment: Drug-herb interaction.  
AU Cheng, Tsung O. (1)  
CS (1) George Washington University Medical Center, Washington, DC, 20037 USA  
SO Annals of Pharmacotherapy, (January, 2001) Vol. 35, No. 1, pp. 124-125.  
print.

ISSN: 1060-0280.

DT Letter  
LA English  
SL English

L4 ANSWER 9 OF 35 MEDLINE  
AN 2001344127 MEDLINE  
DN 21300884 PubMed ID: 11407242  
TI [St. John's wort: a pharmaceutical with potentially dangerous interactions].  
Johanniskraut: Ein Phytopharmakon mit potentiell gefährlichen Interaktionen.  
AU Ratz A E; von Moos M; Drewe J  
CS Abteilung Klinische Pharmakologie und Toxikologie, Kantonsspital Basel..  
raetza@uhbs.ch  
SO SCHWEIZERISCHE RUNDSCHAU FÜR MEDIZIN PRAXIS, (2001 May 10) 90 (19) 843-9.  
Journal code: 8403202. ISSN: 1013-2058.  
CY Switzerland  
DT Journal; Article; (JOURNAL ARTICLE)  
LA German  
FS Priority Journals  
EM 200108  
ED Entered STN: 20010813  
Last Updated on STN: 20010813  
Entered Medline: 20010809

L4 ANSWER 10 OF 35 CA COPYRIGHT 2003 ACS  
AN 136:213589 CA  
TI Study on effect of **Hypericum** Chinense on antilipid-peroxidation  
AU Xiang, Guangya; Yang, Yu; Ruan, Jinlan; Zhou, Yikai  
CS Institute of Environmental Medicine, Tongji Medical College, Huazhong  
University of Science and Technology, Wuhan, 430030, Peop. Rep. China  
SO Tongji Yike Daxue Xuebao (2001), 30(3), 211-213  
CODEN: TYDXEP; ISSN: 0258-2090  
PB Tongji Yike Daxue  
DT Journal  
LA Chinese

L4 ANSWER 11 OF 35 CA COPYRIGHT 2003 ACS DUPLICATE 3  
AN 136:335102 CA  
TI Comparison of the effects of an alcoholic St. John's wort extract on  
various isolated organs  
AU Straumann, D.; Chatterjee, S.; Statkow, P.  
CS Research Department, Cermol SA, Geneva, Switz.  
SO Pharmacopsychiatry (2001), 34(Suppl. 1), S143-S145  
CODEN: PHRMEZ; ISSN: 0176-3679  
PB Georg Thieme Verlag  
DT Journal  
LA English

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 35 MEDLINE  
AN 2001474977 MEDLINE  
DN 21408863 PubMed ID: 11518061  
TI Neuroendocrine effects of **Hypericum** extract WS 5570 in 12  
healthy male volunteers.  
AU Schule C; Baghai T; Ferrera A; Laakmann G  
CS Department of Psychiatry, University of Munich, Germany.  
SO PHARMACOPSYCHIATRY, (2001 Jul) 34 Suppl 1 S127-33.  
Journal code: 8402938. ISSN: 0176-3679.  
CY Germany: Germany, Federal Republic of  
DT (CLINICAL TRIAL)  
Journal; Article; (JOURNAL ARTICLE)

(RANDOMIZED CONTROLLED TRIAL)

LA English  
FS Priority Journals  
EM 200202  
ED Entered STN: 20010827  
Last Updated on STN: 20020220  
Entered Medline: 20020219

L4 ANSWER 13 OF 35 CA COPYRIGHT 2003 ACS DUPLICATE 4  
AN 136:318589 CA  
TI In vivo neurotransmitter release in the locus ceruleus - effects of  
hyperforin, inescapable shock and fear  
AU Philippu, A.  
CS Department of Pharmacology and Toxicology, University of Innsbruck,  
Innsbruck, Austria  
SO Pharmacopsychiatry (2001), 34(Suppl. 1), S111-S115  
CODEN: PHRMEZ; ISSN: 0176-3679  
PB Georg Thieme Verlag  
DT Journal; General Review  
LA English  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 35 MEDLINE  
AN 2000145213 MEDLINE  
DN 20145213 PubMed ID: 10683008  
TI Acute **heart** transplant rejection due to Saint John's wort.  
CM Comment in: Lancet. 2000 May 27;355(9218):1912  
AU Ruschitzka F; Meier P J; Turina M; Luscher T F; Noll G  
SO LANCET, (2000 Feb 12) 355 (9203) 548-9.  
Journal code: 2985213R. ISSN: 0140-6736.  
CY ENGLAND: United Kingdom  
DT Letter  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200003  
ED Entered STN: 20000314  
Last Updated on STN: 20000928  
Entered Medline: 20000302

L4 ANSWER 15 OF 35 CA COPYRIGHT 2003 ACS  
AN 132:88203 CA  
TI Hypericin, hypericin derivatives, and **Hypericum** extract as  
specific T-type calcium channel blockers, and their use as T-type calcium  
channel targeted therapeutics  
IN Shan, Jacqueline J.; Wu, Xi-Chen; Pang, Peter K. T.; Ling, Lei  
PA CV Technologies Inc., Can.  
SO PCT Int. Appl., 33 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000002455	A1	20000120	WO 1999-US14132	19990709
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

CA 2336781 AA 20000120 CA 1999-2336781 19990709  
 AU 9949581 A1 20000201 AU 1999-49581 19990709  
 EP 1094712 A1 20010502 EP 1999-933542 19990709  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO  
 JP 2002520260 T2 20020709 JP 2000-558725 19990709  
 PRAI US 1998-92227P P 19980709  
 WO 1999-US14132 W 19990709  
 OS MARPAT 132:88203  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 AN 2000:474244 BIOSIS  
 DN PREV200000474244  
 TI Lack of effects of St. John's wort extract on autonomic and cognitive  
 functions.  
 AU Siepmann, M. (1); Mueck-Weymann, M. (1); Joraschky, P. (1); Kirch, W. (1)  
 CS (1) Institute of Clinical Pharmacology and Clinic for Psychosomatic  
 Medicine, Technical University, Dresden Germany  
 SO Journal of Clinical Pharmacology, (September, 2000) Vol. 40, No. 9, pp.  
 1047. print.  
 Meeting Info.: 29th Annual Meeting of the American College of Clinical  
 Pharmacology Chicago, Illinois, USA September 17-19, 2000  
 ISSN: 0091-2700.  
 DT Conference  
 LA English  
 SL English

L4 ANSWER 17 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 AN 2001:223617 BIOSIS  
 DN PREV200100223617  
 TI Acute **heart** transplant rejection due to Saint John's wort.  
 AU Ruschitzka, Frank; Meier, Peter J.; Turina, Marko; Luscher, Thomas F.;  
 Noll, Georg (1)  
 CS (1) Divisions of Cardiology, University Hospital, C4-8091, Zurich:  
 karnog@usz.unizh.ch Switzerland  
 SO Lancet (North American Edition), (12 February, 2000) Vol. 355, No. 9203,  
 pp. 548-549. print.  
 ISSN: 0099-5355.  
 DT Article  
 LA English  
 SL English

L4 ANSWER 18 OF 35 CA COPYRIGHT 2003 ACS  
 AN 131:355958 CA  
 TI Phytopharmaceuticals  
 AU Neuse-Schwarz, Bettina; Wolf, Elke  
 CS Giessen, Germany  
 SO Pharmazeutische Zeitung (1999), 144(46), 3784-3786  
 CODEN: PHZIAP; ISSN: 0031-7136  
 PB Govi-Verlag Pharmazeutischer Verlag  
 DT Journal; General Review  
 LA German

L4 ANSWER 19 OF 35 CA COPYRIGHT 2003 ACS DUPLICATE 5  
 AN 131:167692 CA  
 TI A New Chalcone, Xanthones, and a Xanthonolignoid from **Hypericum**  
 geminiflorum  
 AU Chung, Mei-Ing; Weng, Jing-Ru; Lai, Mei-Hsun; Yen, Ming-Hong; Lin,  
 Chun-Nan  
 CS School of Pharmacy, Kaohsiung Medical College, Kaohsiung, 807, Taiwan  
 SO Journal of Natural Products (1999), 62(7), 1033-1035  
 CODEN: JNPRDF; ISSN: 0163-3864



PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 35 CA COPYRIGHT 2003 ACS  
AN 129:148319 CA  
TI Lactose-containing magnetic capsules as nutritional supplement for the  
intestines, body organs, and general conditions  
IN Metz, Adolf  
PA Germany  
SO Ger. Offen., 4 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19653100	A1	19980723	DE 1996-19653100	19961219
PRAI	DE 1996-19653100		19961219		

L4 ANSWER 21 OF 35 MEDLINE  
AN 1998348084 MEDLINE  
DN 98348084 PubMed ID: 9684942  
TI Antidepressant activity of **hypericum** perforatum and hyperforin:  
the neglected possibility.  
AU Chatterjee S S; Noldner M; Koch E; Erdelmeier C  
CS Research Department, Dr. Willmar Schwabe GmbH & Co., Karlsruhe, Germany.  
SO PHARMACOPSYCHIATRY, (1998 Jun) 31 Suppl 1 7-15.  
Journal code: 8402938. ISSN: 0176-3679.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199810  
ED Entered STN: 19981029  
Last Updated on STN: 20000303  
Entered Medline: 19981016

L4 ANSWER 22 OF 35 CA COPYRIGHT 2003 ACS DUPLICATE 6  
AN 126:274733 CA  
TI Phenolics from **Hypericum** geminiflorum  
AU Chung, Mei-Ing; Lai, Mei-Hsun; Yen, Ming-Hong; Wu, Ru-Rong; Lin, Chun-Nan  
CS Sch. Pharmacy, Kaohsiung Med. Coll., Kaohsiung, 807, Taiwan  
SO Phytochemistry (1997), 44(5), 943-947  
CODEN: PYTCAS; ISSN: 0031-9422  
PB Elsevier  
DT Journal  
LA English

L4 ANSWER 23 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1998:103386 BIOSIS  
DN PREV199800103386  
TI **Heart** rate variability under treatment with high dose  
**hypericum** extract and imipramine.  
AU Czekalla, J. (1); Gastpar, M. (1); Huebner, W.-D.  
CS (1) Rheinische Landes- Hochschulklin. Essen, Essen Germany  
SO Pharmacopsychiatry, (Sept., 1997) Vol. 30, No. 5, pp. 158.  
Meeting Info.: 20th Symposium of the Study Group of  
Neuropsychopharmacology and Pharmacopsychiatry (Arbeitsgemeinschaft  
Neuropsychopharmakologie und Pharmakopsychiatrie (AGNP)) Nuremberg,  
Germany October 8-11, 1997 Study Group of Neuropsychopharmacology and  
Pharmacopsychiatry

. ISSN: 0176-3679.

DT Conference  
LA English

L4 ANSWER 24 OF 35 CA COPYRIGHT 2003 ACS  
AN 126:342575 CA  
TI Effects of **Hypericum** perforatum (St. John's wort) on animal  
health and production  
AU Bourke, C.A.  
CS Agricultural Research and Veterinary Centre, Orange, 2800, Australia  
SO Plant Protection Quarterly (1997), 12(2), 91-92  
CODEN: PPQUE8; ISSN: 0815-2195  
PB Plant Protection Quarterly  
DT Journal; General Review  
LA English

L4 ANSWER 25 OF 35 CA COPYRIGHT 2003 ACS DUPLICATE 7  
AN 128:57340 CA  
TI The effect of **Hypericum** extract on cardiac conduction as seen in  
the electrocardiogram compared to that of imipramine  
AU Czekalla, J.; Gastpar, M.; Hubner, W.-D.; Jager, D.  
CS Department of General Psychiatry, ECG Laboratory, University Clinic,  
Essen, Germany  
SO Pharmacopsychiatry (1997), 30(Suppl. 2), 86-93  
CODEN: PHRMEZ; ISSN: 0176-3679  
PB Thieme  
DT Journal  
LA English

L4 ANSWER 26 OF 35 CA COPYRIGHT 2003 ACS  
AN 127:4412 CA  
TI Formulation for alcoholic bitters  
IN Sargunas, Gediminas; Daniuniene, Genovaite; Talacka, Ceslovas; Aleksionas,  
Saulius  
PA Valstybine Akcine Imone "sema", Lithuania  
SO Lith., 9 pp.  
CODEN: LIXXFS  
DT Patent  
LA Lithuanian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	LT 3679	B	19960125	LT 1994-2023	19940809
PRAI	LT 1994-2023		19940809		

L4 ANSWER 27 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1997:90188 BIOSIS  
DN PREV199799389391  
TI Biological control of weeds: Aceria, Epitrimerus and Aculus species and  
biological control of weeds.  
AU Rosenthal, S. S.  
CS Rangeland Insects Lab., U.S.D.A.-A.R.S., Mont. State Univ., Bozeman, MT  
59717-0056 USA  
SO Lindquist, E. E. [Editor]; Sabelis, M. W. [Editor]; Bruin, J. [Editor].  
World Crop Pests, (1996) Vol. 6, pp. 729-739. World Crop Pests; Eriophyoid  
mites: Their biology, natural enemies and control.  
Publisher: Elsevier Science Publishers B.V. PO Box 211, Sara  
Burgerhartstraat 25, 1000 AE Amsterdam, Netherlands.  
ISBN: 0-444-88628-1.  
DT Book  
LA English

L4 ANSWER 28 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1996:33937 BIOSIS

DN PREV199698606072  
 TI The vegetation of fallow strips in the canton of Geneva (Switzerland.  
 AU Lambelet-Haueter, Catherine  
 CS Conservatoire Jardin Botaniques Ville Geneve, Case Postale 60, CH-1292  
 Chambesy Switzerland  
 SO Candollea, (1995) Vol. 50, No. 2, pp. 329-349.  
 ISSN: 0373-2967.  
 DT Article  
 LA French  
 SL French; English

L4 ANSWER 29 OF 35 CA COPYRIGHT 2003 ACS  
 AN 124:15314 CA  
 TI Phytopharmaceuticals in old age. Crataegus, ginkgo, **hypericum**,  
 and kava-kava preparations  
 AU Dingermann, Theo  
 CS Inst. Pharm. Biol., Johann-Wolfgang-Goethe-Univ., Frankfurt, D-60439,  
 Germany  
 SO Pharmazeutische Zeitung (1995), 140(23), 9-14, 16  
 CODEN: PHZIAP; ISSN: 0031-7136  
 PB Govi-Verlag Pharmazeutischer Verlag  
 DT Journal; General Review  
 LA German

L4 ANSWER 30 OF 35 MEDLINE  
 AN 95160915 MEDLINE  
 DN 95160915 PubMed ID: 7857503  
 TI Effectiveness and tolerance of the **hypericum** extract LI 160  
 compared to maprotiline: a multicenter double-blind study.  
 AU Harrer G; Hubner W D; Podzuweit H  
 CS Institut fur Forensische Psychiatrie, Universitat Salzburg, Austria.  
 SO JOURNAL OF GERIATRIC PSYCHIATRY AND NEUROLOGY, (1994 Oct) 7 Suppl 1 S24-8.  
 Journal code: 8805645. ISSN: 0891-9887.  
 CY United States  
 DT (CLINICAL TRIAL)  
 Journal; Article; (JOURNAL ARTICLE)  
 (MULTICENTER STUDY)  
 (RANDOMIZED CONTROLLED TRIAL)  
 LA English  
 FS Priority Journals  
 EM 199503  
 ED Entered STN: 19950404  
 Last Updated on STN: 20000303  
 Entered Medline: 19950323

L4 ANSWER 31 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 AN 1990:418113 BIOSIS  
 DN BA90:78914  
 TI **HYPERICUM**-CAPRIFOLIUM ACTIVITY OVER CARDIOVASCULAR SYSTEM.  
 AU REBUELTA LIZABE M; AYUGA TELLEZ C  
 CS DEPARTAMENTO DE FARMACOLOGIA, FACULTAD DE FARMACIA, UNIVERSIDAD  
 COMPLUTENSE, MADRID, SPAIN.  
 SO REV FARMACOL CLIN EXP, (1990) 7 (1), 13-18.  
 CODEN: RFCEEC. ISSN: 0213-0157.  
 FS BA; OLD  
 LA Spanish

L4 ANSWER 32 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 AN 1990:148288 BIOSIS  
 DN BR38:69738  
 TI PROCYANIDINS FROM **HYPERICUM**-PERFORATUM EFFECTS ON ISOLATED  
 GUINEA-PIG **HEARTS**.  
 AU MELZER R; FRICKE U; HOELZL J; PODEHL R; ZYLKA J  
 CS INST. PHARMAZEUTISCHE BIOL., UNIV. MARBURG, D-3550 MARBURG/L., FRG.

SO 37TH ANNUAL CONGRESS ON MEDICINAL PLANT RESEARCH, BRAUNSCHWEIG, WEST GERMANY, SEPTEMBER 5-9, 1989. PLANTA MED. (1989) 55 (7), 655-656. CODEN: PLMEAA. ISSN: 0032-0943.

DT Conference  
FS BR; OLD  
LA English

L4 ANSWER 33 OF 35 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1986:428368 BIOSIS  
DN BR31:94180  
TI PRESENCE OF PROCYANIDINS IN **HYPERICUM**-PERFORATUM.  
AU HOELZL J; MUENKER H  
CS INST. PHARMAZEUT. BIOL., PHILIPPS-UNIV. MARBURG, DEUTSCHHOUSSTR. 17 1/2, 3550 MARBURG, BRD.

SO 33RD ANNUAL CONGRESS INCLUDING THE BUSINESS SESSION OF THE GESELLSCHAFT FUER ARZNEIPFLANZENFORSCHUNG (SOCIETY FOR MEDICINAL PLANT RESEARCH), REGENSBURG, WEST GERMANY, SEPT. 23-28, 1985. ACTA AGRON ACAD SCI HUNG. (1985 (RECD 1986)) 34 (SUPPL ), 52. CODEN: AASHAB. ISSN: 0001-513X.

DT Conference  
FS BR; OLD  
LA German

L4 ANSWER 34 OF 35 CA COPYRIGHT 2003 ACS  
AN 78:66908 CA  
TI Comparative study of chemotherapeutic and pharmacological properties of antimicrobial preparations from common St. John's wort  
AU Negrash, A. K.; Pochinok, P. Ya.  
CS Inst. Mikrobiol. Virusol., Kiev, USSR  
SO Fitontsidy, Mater. Soveshch., 6th (1972), Meeting Date 1969, 198-200. Editor(s): Aizenman, B. E. Publisher: "Naukova Dumka", Kiev, USSR. CODEN: 25ZQA2

DT Conference  
LA Russian

L4 ANSWER 35 OF 35 CA COPYRIGHT 2003 ACS  
AN 64:103182 CA  
OREF 64:19329a-b  
TI Therapeutic product for the treatment of several diseases, such as rheumatism  
PA Attilio Tonero.  
SO 4 pp.  
DT Patent  
LA Unavailable  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	BE 654916		19650216	BE	19641027

=> d his

(FILE 'HOME' ENTERED AT 15:06:42 ON 15 JUL 2003)

FILE 'CA, MEDLINE, BIOSIS' ENTERED AT 15:07:01 ON 15 JUL 2003

L1 3744 S HYPERICUM?  
L2 1377416 S HEART?  
L3 43 S L1 AND L2  
L4 35 DUP REM L3 (8 DUPLICATES REMOVED)

=> s l1 (p) l2

L5 21 L1 (P) L2

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 16 DUP REM L5 (5 DUPLICATES REMOVED)

=> d 1-16 ab,bib

L6 ANSWER 1 OF 16 MEDLINE

AB ST. JOHN'S WORT (**Hypericum perforatum**): A PLURIVALENT RAW MATERIAL FOR MODERN AND TRADITIONAL THERAPIES St. John's Wort is one of the oldest and one of the best experimentally and clinically examined herbal remedies. In various medical cultures and medical systems - that is to say the regions of origin of **HYPERICUM PERFORATUM**, like Europe, West Asia and North Africa - St. John's Wort has been used as a remedy for centuries. Preparations from St. John's Wort not only represent medical traditions but also ways of thinking, ideas and experiences from naturopathic healers (non-physicians) as well as patients. The complex multicomponent with its evolutionary and coevolutionary developed composition and structure acts as a varied raw material for the production of quantitative and qualitative dissimilar remedies, which are multicomponents themselves. They differ not only analytically but also quite often in their effects. The certain and potential spectrum of internal and external uses includes gastrointestinal complaint and illness, skin disease, mucosal lesion, superficial injury, depressive upset and depression, somatoform disorders, restlessness, nervousness, convalescence, exhaustion, sleep disturbance and nursing treatment. The plurivalent character of the multicomponent even enables a broad spectrum of activity. This might justify to prefer St. John's Wort to other drugs in a wide range of treatments: In tumor patients with depression the antioxidative effect and the experimentally documented induction of apoptosis could mean an additional advantage, and in depressive patients with coronary **heart** disease the same applies to the anti-inflammatory and antioxidative effects.

Copyright 2003 S. Karger GmbH, Freiburg

AN 2003280613 IN-PROCESS

DN 22692121 PubMed ID: 12808360

TI [St. John's Wort (**Hypericum perforatum**): A Plurivalent Raw Material for Modern and Traditional Therapies].

Johanniskraut (**Hypericum perforatum**): Ein plurivalenter Rohstoff für traditionelle und moderne Therapien.

AU Saller R; Melzer J; Reichling J

CS Abteilung Naturheilkunde, Departement für Innere Medizin, Universitätsspital Zürich, Schweiz.

SO FORSCHENDE KOMPLEMENTÄRMEDIZIN UND KLASSISCHE NATURHEILKUNDE, (2003 Apr) 10 Suppl 1 33-40.

Journal code: 100958201. ISSN: 1424-7364.

CY Switzerland

DT Journal; Article; (JOURNAL ARTICLE)

LA German

FS IN-PROCESS; NONINDEXED; Priority Journals

ED Entered STN: 20030617

Last Updated on STN: 20030617

L6 ANSWER 2 OF 16 MEDLINE DUPLICATE 1

AB AIMS: To compare the effects of multiple dosing with St John's wort (**Hypericum perforatum**) extract and amitriptyline on **heart** rate variability, cognitive function and quantitative EEG (qEEG) with placebo in healthy humans. METHODS: A randomized, double-blind, cross over study of 12 healthy male volunteers. Subjects orally received capsules with 255-285 mg St John's wort extract (900 micro g hypericin content), 25 mg amitriptyline and placebo three times daily for periods of 14 days each with at least 14 days between. The doses of amitriptyline and St John's wort extract are comparable with respect to their antidepressant activity. Compliance was confirmed by coadministration of 10 mg of riboflavin with each capsule and detection of urinary vitamin B2 on treatment day 11 with high performance liquid chromatography.

Measurements of **heart** rate variability, psychometric tests and qEEG were performed before start of medication and repeatedly on the last treatment day. RESULTS: St John's wort extract did not affect **heart** rate variability (HRV) whereas amitriptyline significantly decreased it: the difference in the percentage number of adjacent RR intervals > 50 ms (pNN50) was 8.6 (-2.6, 19.9; mean; 95% confidence interval) between St John's wort extract and placebo and -17.6 (-24.7, -10.4) between amitriptyline and placebo. Neither St John's wort extract nor amitriptyline had an influence on cognitive performance such as choice reaction, psychomotor coordination, short-term memory and responsiveness to distractive stimuli. Amitriptyline but not St John's wort extract decreased self rated activity ( $P < 0.05$ ). Both drugs caused significant qEEG changes. St John's wort extract increased theta power density. Amitriptyline increased theta as well as fast alpha power density. CONCLUSIONS: Multiple doses of St John's wort extract do not affect **heart** rate variability nor cognitive function. Chronic administration of amitriptyline causes a decrement of HRV and subjective sedation but it does not impair cognitive performance.

AN 2002607585 MEDLINE  
 DN 22222221 PubMed ID: 12236848  
 TI The effects of St John's wort extract on heart rate variability, cognitive function and quantitative EEG: a comparison with amitriptyline and placebo in healthy men.  
 AU Siepmann M; Krause S; Joraschky P; Muck-Weymann M; Kirch W  
 CS Institute of Clinical Pharmacology, Medical Faculty, Technical University, Dresden, Germany.. Martin.Siepmann@mailbox.tu-dresden.de  
 SO BRITISH JOURNAL OF CLINICAL PHARMACOLOGY, (2002 Sep) 54 (3) 277-82.  
 CY Journal code: 7503323. ISSN: 0306-5251.  
 CY England: United Kingdom  
 DT (CLINICAL TRIAL)  
 Journal; Article; (JOURNAL ARTICLE)  
 (RANDOMIZED CONTROLLED TRIAL)  
 LA English  
 FS Priority Journals  
 EM 200301  
 ED Entered STN: 20021008  
 Last Updated on STN: 20030128  
 Entered Medline: 20030127

L6 ANSWER 3 OF 16 CA COPYRIGHT 2003 ACS  
 AB The antilipid-peroxidn. of the exts. of **Hypericum** Chinense was studied. The antilipid-peroxidn. of **Hypericum** Chinense on liver, kidney, **heart**, and mitochondria was measured by the detn. of malondialdehyde(MDA) using TBA spectrometric method. The results showed that the exts. of **Hypericum** Chinense could inhibit the lipid peroxidn. of liver, kidney, **heart** tissue homogenate, and lipid peroxidn. of mitochondria induced by Fe2+-H2O2, Fe2+-vitamin C and Fe2+-cysteine. The inhibition exhibited concn.-dependent manner. The inhibitory effect of the exts. of F003 was stronger than that of the exts. of F004 and F005. It was suggested that **Hypericum** Chinense had a good antilipid-peroxidn. effect, therefore it may be necessary to study it further.

AN 136:213589 CA  
 TI Study on effect of Hypericum Chinense on antilipid-peroxidation  
 AU Xiang, Guangya; Yang, Yu; Ruan, Jinlan; Zhou, Yikai  
 CS Institute of Environmental Medicine, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, 430030, Peop. Rep. China  
 SO Tongji Yike Daxue Xuebao (2001), 30(3), 211-213  
 CODEN: TYDXEP; ISSN: 0258-2090  
 PB Tongji Yike Daxue  
 DT Journal  
 LA Chinese

L6 ANSWER 4 OF 16 CA COPYRIGHT 2003 ACS DUPLICATE 2

AB A review. Hyperforin, the main antidepressant constituent of **Hypericum perforatum**, influences the extracellular concns. of transmitters in vitro and in vivo. In vivo expts. have shown that hyperforin enhances the extracellular concns. of dopamine, norepinephrine, serotonin and glutamate in the locus ceruleus. Hyperforin-free **Hypericum** ext. also elevates the extracellular concns. of dopamine and norepinephrine in the locus ceruleus, but, in contrast to the effects of hyperforin, the extracellular concn. of serotonin is diminished. The differing profiles of hyperforin and hyperforin-free **Hypericum** ext. on the extracellular transmitter concns. point to the presence of an addnl. biol. active compd. in **Hypericum perforatum**. Inescapable shock increases the release of monoamines and several amino acids, as well as motility, blood pressure and heart rate. Conditioned fear, like hyperforin-free **Hypericum** ext., decreases the release of serotonin in the locus ceruleus. Conditioned fear also leads to tachycardia. The latter finding shows that telemetric heart rate recording is a good index of conditioned fear. In vivo findings confirm the idea that the antidepressive properties of **Hypericum** ext. and hyperforin result from increases in extracellular neurotransmitter concns. Since hyperforin-free ext., like conditioned fear, reduces the extracellular concn. of serotonin, hyperforin may be more beneficial than **Hypericum** ext. in the treatment of depressive disorders.

AN 136:318589 CA

TI In vivo neurotransmitter release in the locus ceruleus - effects of hyperforin, inescapable shock and fear

AU Philippu, A.

CS Department of Pharmacology and Toxicology, University of Innsbruck, Innsbruck, Austria

SO Pharmacopsychiatry (2001), 34(Suppl. 1), S111-S115

CODEN: PHRMEZ; ISSN: 0176-3679

PB Georg Thieme Verlag

DT Journal; General Review

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 16 CA COPYRIGHT 2003 ACS

AB Hypericin has been shown to specifically inhibit T-type calcium channel activity. **Hypericum** ext. contg. hypericin also inhibits T-type calcium channel activity. Moreover, other chems. in **Hypericum** ext. showed a synergistic effect to hypericin. In view of this, hypericin or hypericin-contg. **Hypericum** ext. can be used as T-channel blockers. **Hypericum** ext., ext. of other species of the **Hypericum** genus, ext. of other plants contg. hypericin, hypericin derivs., hypericin analogs, e.g. pseudohypericin, and other **Hypericum** ext. constituents can be used as therapeutics targeted at T-type calcium channels for treatment of diseases assocd. with T-channel abnormality. Methods for administering hypericin and **Hypericum** ext. are disclosed.

AN 132:88203 CA

TI Hypericin, hypericin derivatives, and **Hypericum** extract as specific T-type calcium channel blockers, and their use as T-type calcium channel targeted therapeutics

IN Shan, Jacqueline J.; Wu, Xi-Chen; Pang, Peter K. T.; Ling, Lei

PA CV Technologies Inc., Can.

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000002455	A1	20000120	WO 1999-US14132	19990709

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,

DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,  
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,  
MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2336781 AA 20000120 CA 1999-2336781 19990709  
AU 9949581 A1 20000201 AU 1999-49581 19990709  
EP 1094712 A1 20010502 EP 1999-933542 19990709

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO

JP 2002520260 T2 20020709 JP 2000-558725 19990709

PRAI US 1998-92227P P 19980709

WO 1999-US14132 W 19990709

OS MARPAT 132:88203

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 16 CA COPYRIGHT 2003 ACS DUPLICATE 3

AB A new prenyl chalcone, gemichalcone C (I), was isolated from the  
**heartwood** and root of **Hypericum** geminiflorum. Three new  
xanthones - 6,7-dihydroxy-1,3-dimethoxyxanthone (II; R1 = R3 = OMe, R2 =  
R4 = H, R5 = R6 = OH), 4-hydroxy-1,2-dimethoxyxanthone (II; R1 = R2 = OMe,  
R3 = R5 = R6 = H, R4 = OH), and gemixanthone A (III)-and four known  
xanthones were isolated from the leaves and stems of the same plant.

AN 131:167692 CA

TI A New Chalcone, Xanthones, and a Xanthonolignoid from Hypericum  
geminiflorum

AU Chung, Mei-Ing; Weng, Jing-Ru; Lai, Mei-Hsun; Yen, Ming-Hong; Lin,  
Chun-Nan

CS School of Pharmacy, Kaohsiung Medical College, Kaohsiung, 807, Taiwan

SO Journal of Natural Products (1999), 62(7), 1033-1035

CODEN: JNPRDF; ISSN: 0163-3864

PB American Chemical Society

DT Journal

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 16 CA COPYRIGHT 2003 ACS DUPLICATE 4

AB Five new constituents were isolated from the **heartwood** and roots  
of **Hypericum** geminiflorum. The structures were characterized as  
(2R,3R)-3,5,7,2',5'-pentahydroxyflavan, 3,5-dimethoxy-4-hydroxy-1-O-.beta.-  
D-glucoside, (I; R = OMe), named gemichalcone A, I (R = H), named  
gemichalcone B, and (II), named isogemichalcone B.

AN 126:274733 CA

TI Phenolics from Hypericum geminiflorum

AU Chung, Mei-Ing; Lai, Mei-Hsun; Yen, Ming-Hong; Wu, Ru-Rong; Lin, Chun-Nan

CS Sch. Pharmacy, Kaohsiung Med. Coll., Kaohsiung, 807, Taiwan

SO Phytochemistry (1997), 44(5), 943-947

CODEN: PYTCAS; ISSN: 0031-9422

PB Elsevier

DT Journal

LA English

L6 ANSWER 8 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1998:103386 BIOSIS

DN PREV199800103386

TI **Heart** rate variability under treatment with high dose  
**hypericum** extract and imipramine.

AU Czekalla, J. (1); Gastpar, M. (1); Huebner, W.-D.

CS (1) Rheinische Landes- Hochschulklin. Essen, Essen Germany



SO Pharmacopsychiatry, (Sept., 1997) Vol. 30, No. 5, pp. 158.  
Meeting Info.: 20th Symposium of the Study Group of  
Neuropsychopharmacology and Pharmacopsychiatry (Arbeitsgemeinschaft  
Neuropsychopharmakologie und Pharmakopsychiatrie (AGNP)) Nuremberg,  
Germany October 8-11, 1997 Study Group of Neuropsychopharmacology and  
Pharmacopsychiatry  
. ISSN: 0176-3679.

DT Conference  
LA English

L6 ANSWER 9 OF 16 CA COPYRIGHT 2003 ACS

AB A review and discussion with 11 refs. **Hypericum** perforatum and  
related species contain a mixt. of photodynamic compds. represented by  
hypericin. Visible wavelengths of light energize hypericin and make it  
toxic to cell membranes. This effect occurs in exposed nonpigmented skin  
areas on animals that eat wort. Photosensitization is the skin  
inflammation that follows. Hypericin can enter the brain and exert a  
stimulant effect upon behavior, and an altered sense of temp. perception.  
In the peripheral nervous system hypericin alters **heart**, blood  
vessel, and intestinal function by inhibiting a catechol enzyme. A  
transient elevation of adrenaline and noradrenaline follows. Sucking  
young can ingest hypericin in their mother's milk. Chronic hypericin  
ingestion causes wt. loss, failure to gain wt., reduced milk and wool  
prodn., and reduced reproductive performance. Wort infested pastures can  
halve per ha carrying capacity, and some livestock will die because of  
grazing wort. Horses are more susceptible to hypericin toxicity than  
cattle, cattle more than sheep, and sheep more than goats, probably  
because of differences in liver enzyme metabolizing systems. The presence  
of skin pigment or a thick wool covering will reduce the photosensitizing  
effect of hypericin. The other effects of hypericin exert themselves  
regardless of sunlight exposure.

AN 126:342575 CA

TI Effects of *Hypericum perforatum* (St. John's wort) on animal health and  
production

AU Bourke, C.A.

CS Agricultural Research and Veterinary Centre, Orange, 2800, Australia

SO Plant Protection Quarterly (1997), 12(2), 91-92

CODEN: PPQUE8; ISSN: 0815-2195

PB Plant Protection Quarterly

DT Journal; General Review

LA English

L6 ANSWER 10 OF 16 CA COPYRIGHT 2003 ACS

AB The electrocardiog. effects of high-dose *Hypericum perforatum* ext. were  
compared with those of imipramine-HCl in a randomized, double-blind,  
multicenter study of patients with depression. ECGs were recorded before  
and after a 6-wk treatment with either *Hypericum* ext. or imipramine. A  
prolongation of the conduction intervals PR, QRS and QTc was found for  
imipramine. In contrast, a small acceleration of conduction was produced  
by the high-dose *Hypericum* ext. Comparison of ECGs at the beginning and  
after 6 wk of treatment showed an increase in 1st-degree AV blocks and  
abnormalities of repolarization with imipramine but a redn. of such  
pathol. findings after treatment with *Hypericum* ext. This favorable  
feature of safe cardiac activity was achieved with a daily dose of 1800 mg  
of *Hypericum* ext. The results indicate that for the treatment of patients  
with a pre-existing conductive dysfunction, or elderly patients, high-dose  
*Hypericum* ext. is safer than tricyclic antidepressants with regard to  
cardiac function.

AN 128:57340 CA

TI The effect of *Hypericum* extract on cardiac conduction as seen in the  
electrocardiogram compared to that of imipramine

AU Czekalla, J.; Gastpar, M.; Hubner, W.-D.; Jager, D.

CS Department of General Psychiatry, ECG Laboratory, University Clinic,  
Essen, Germany

SO Pharmacopsychiatry (1997), 30(Suppl. 2), 86-93  
CODEN: PHRMEZ; ISSN: 0176-3679  
PB Thieme  
DT Journal  
LA English

L6 ANSWER 11 OF 16 CA COPYRIGHT 2003 ACS  
AB A formulation for alc. bitters is disclosed which is comprised (kg per decaliter) of citric acid 0.25-0.35, rhizome of sweet-flag 0.035-0.065, juniper berries 0.042-0.078, citronella aerial parts 22.0-26.0, **Hypericum** perforatum aerial parts 14.8-17.2, marjoram aerial parts 3.6-4.4, mint aerial parts 0.32-0.48, ginger rhizome 0.43-0.57, star anise 0.07-0.13, citrus peel 0.24-0.4, sugar 330-355, koleris 8.0-12.0, and alc.-water mixt. to 1000 decaliter vol. The prepn. may be used to improve secretion of digestive juices, as an antispasmodic, stimulation of the heart, etc.

AN 127:4412 CA  
TI Formulation for alcoholic bitters  
IN Sargunas, Gediminas; Daniuniene, Genovaite; Talacka, Ceslovas; Aleksionas, Saulius  
PA Valstybine Akcine Imone "sema", Lithuania  
SO Lith., 9 pp.  
CODEN: LIXXFS  
DT Patent  
LA Lithuanian  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	LT 3679	B	19960125	LT 1994-2023	19940809
PRAI	LT 1994-2023		19940809		

L6 ANSWER 12 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AB In the region of the "Champagne genevoise" a network of fallow strips has been created with the aim to improve the habitat for the last remaining population of Grey Partridge in Switzerland. The vegetation of these strips left fallow for three years has been studied since 1992. In the first year left fallow, 188 plant species were found in 22 strips with a total area of 5,4 ha. 31 species (16,5%) are classified as endangered or threatened on the Swiss Red List. The mean number of species per plots was 64 (min. 41, max. 97). Species composition varied greatly between plots. The results are encouraging for species which occur more frequently and are more abundant in the fallow strips than on cultivated land such as Centaurea cyanus, Gypsophila muralis, Kickxia spuria, Stachys annua, Trifolium arvense, as well as for less abundant but still frequent species like Anchusa arvensis, **Hypericum** humifusum, Lamium amplexicaule, Misopates orontium, Valerianella rimosa. These first results show that the fallow strips studied constitute a refuge for a number of threatened agrestal and ruderal species. in order to obtain a long-term effect, the agricultural flora has to be encouraged as much as possible by appropriately treating the ground during the first year. Insects and several bird species depending on agricultural practice seem to benefit from the strips as well. Thus the strips prove to be excellent structures to improve the habitat right in the heart of the cultivated land.

AN 1996:33937 BIOSIS  
DN PREV199698606072  
TI The vegetation of fallow strips in the canton of Geneva (Switzerland.  
AU Lambelet-Haueter, Catherine  
CS Conservatoire Jardin Botaniques Ville Geneve, Case Postale 60, CH-1292 Chambesy Switzerland  
SO Candollea, (1995) Vol. 50, No. 2, pp. 329-349.  
ISSN: 0373-2967.  
DT Article  
LA French

SL French; English

L6 ANSWER 13 OF 16 CA COPYRIGHT 2003 ACS

AB A review, with 26 refs. on the efficacy of phytopharmaceutical prepn. of Crataegus monogyna in the treatment of **heart** insufficiency, Ginkgo biloba in cerebral functional disturbances, **Hypericum** perforatum in minor depressions and anxieties, and Piper methysticum in light psycho-vegetative syndrome in old age. The quality stds., tolerability, and dosage are also described.

AN 124:15314 CA

TI Phytopharmaceuticals in old age. Crataegus, ginkgo, hypericum, and kava-kava preparations

AU Dingermann, Theo

CS Inst. Pharm. Biol., Johann-Wolfgang-Goethe-Univ., Frankfurt, D-60439, Germany

SO Pharmazeutische Zeitung (1995), 140(23), 9-14, 16  
CODEN: PHZIAP; ISSN: 0031-7136

PB Govi-Verlag Pharmazeutischer Verlag

DT Journal; General Review

LA German

L6 ANSWER 14 OF 16 MEDLINE

AB A randomized, double-blind study examining the effectiveness and tolerance of a standardized **hypericum** preparation when compared to maprotiline was performed in a group of 102 patients with depression, in accordance with ICD-10, F 32.1. The study was conducted in the offices of neurology and psychiatry specialists. The patients received, over a period of 4 weeks, either 3 x 300 mg of the **hypericum** extract or 3 x 25 mg maprotiline pills of identical appearance. Effectiveness was determined using the Hamilton Depression Scale (HAMD), the Depression Scale according to von Zerssen (D-S), and the Clinical Global Impression Scale (CGI). The total score of the HAMD scale dropped during the 4 weeks of therapy in both treatment groups by about 50%. The mean values of the D-S scale and the CGI scale showed similar results, and after 4 weeks of therapy, no significant differences in either treatment group were noticed. The onset of the effects occurred up to the second week of treatment, but were observed earlier with maprotiline than with the **hypericum** extract. On the other hand, maprotiline treatment resulted in more cases of tiredness, mouth dryness, and **heart** complaints.

AN 95160915 MEDLINE

DN 95160915 PubMed ID: 7857503

TI Effectiveness and tolerance of the hypericum extract LI 160 compared to maprotiline: a multicenter double-blind study.

AU Harrer G; Hubner W D; Podzuweit H

CS Institut fur Forensische Psychiatrie, Universitat Salzburg, Austria.

SO JOURNAL OF GERIATRIC PSYCHIATRY AND NEUROLOGY, (1994 Oct) 7 Suppl 1 S24-8.  
Journal code: 8805645. ISSN: 0891-9887.

CY United States

DT (CLINICAL TRIAL)  
Journal; Article; (JOURNAL ARTICLE)  
(MULTICENTER STUDY)  
(RANDOMIZED CONTROLLED TRIAL)

LA English

FS Priority Journals

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L6 ANSWER 15 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1990:148288 BIOSIS

DN BR38:69738

TI PROCYANIDINS FROM **HYPERICUM**-PERFORATUM EFFECTS ON ISOLATED

GUINEA-PIG **HEARTS**.

AU MELZER R; FRICKE U; HOELZL J; PODEHL R; ZYLKA J  
CS INST. PHARMAZEUTISCHE BIOL., UNIV. MARBURG, D-3550 MARBURG/L., FRG.  
SO 37TH ANNUAL CONGRESS ON MEDICINAL PLANT RESEARCH, BRAUNSCHWEIG, WEST  
GERMANY, SEPTEMBER 5-9, 1989. PLANTA MED. (1989) 55 (7), 655-656.  
CODEN: PLMEAA. ISSN: 0032-0943.  
DT Conference  
FS BR; OLD  
LA English

L6 ANSWER 16 OF 16 CA COPYRIGHT 2003 ACS

AB Of several antibiotics from St. John's wort (**Hypericum**  
perforatum), novoimanine [11004-82-3] (0.25% aq. alc. soln.) was the most  
effective topically against local infections of Staphylococcus aureus in  
mice. Water-sol. imanine [11113-64-7] was more effective against S.  
aureus than was imanine or sulfonilamide [63-74-1]. Imanine and  
water-sol. imanine both caused cardiac systolic arrest at a diln. of 1:1  
.tim. 10-5 when perfused through the isolated frog **heart**.  
Injection of 50 mg imanine/kg, i..v., into rabbits decreased the blood  
pressure and somewhat increased the frequency and depth of breathing. The  
same dose of water-sol. imanine caused a greater and more prolonged  
decrease in blood pressure than did imanine, but had approx. the same  
effect on breathing. In the isolated rabbit ear, imanine was a more  
effective vasoconstrictor than water-sol. imanine at a diln. of 1:1000.  
Higher dilns. had no effect. The hypotensive action of imanine cannot be  
explained by its direct effect on the vasculature.

AN 78:66908 CA

TI Comparative study of chemotherapeutic and pharmacological properties of  
antimicrobial preparations from common St. John's wort

AU Negrash, A. K.; Pochinok, P. Ya.

CS Inst. Mikrobiol. Virusol., Kiev, USSR

SO Fitontsidy, Mater. Soveshch., 6th (1972), Meeting Date 1969, 198-200.

Editor(s): Aizenman, B. E. Publisher: "Naukova Dumka", Kiev, USSR.

CODEN: 25ZQA2

DT Conference

LA Russian